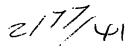
07-23-04.





PATENT ATTORNEY DOCKET NUMBER: 01239

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

§

Applicant: Ramesh Bhashyam §

Serial No.: 10/038,783 §

Filed: December 31, 2001

Title: "Optimizing an Exclusion Join
Operation Using a Bitmap Index
Structure"

JUL 2 6 2004

Technology Center 2100

Examiner: Greta Lee Robinson

Group Art Unit: 2177 RECEIVED

Attorney Docket No: 10239

CERTIFICATE OF MAILING VIA EXPRESS MAIL 37 C.F.R. §1.10

PURSUANT TO 37 C.F.R. 1.10, I HEREBY CERTIFY THAT I HAVE A REASONABLE BASIS FOR BELIEF THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS EXPRESS MAIL POST OFFICE TO ADDRESSEE ON THE DATE INDICATED BELOW AND IS ADDRESSED TO:

MAIL STOP AMENDMENT

HONORABLE COMMISSIONER FOR PATENTS

P.O. Box 1450

ALEXANDRIA, VA 223) 3-1450

SUSAN D. RITCHEY
DATE OF MAILING:
EXPRESS MAIL LABEL:

JULY 21, 2004 EV449865944US

Mail Stop Amendment Honorable Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Sir:

Applicant hereby submits the following document to be filed with the United States Patent and Trademark Office:

- 1. Response to Non-Final Office Action Mailed April 21, 2004; and
- 2. Postcard.

Please date stamp and return the enclosed postcard evidencing receipt of these materials.

The Commissioner is authorized to debit Deposit Account No. 50-1673 for any underpayment of fees which may be due in association with this filing under 37 C.F.R. §§ 1.16-1.18.

Respectfully submitted,

Howard L. Speight

Reg. No. 37,733

Baker Botts L.L.P.

910 Louisiana

Houston, Texas 77002

Telephone: (713) 229-2057

Facsimile: (713) 229-2757 ATTORNEY FOR APPLICANT

Date: July 21, 2004

RECEIVED

JUL 2 6 2004



Technology Center 2100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Ramesh Bhashyam

Group Art No.

2177

Serial No.: 10/038,783

Filed:

12/31/2001

Examiner:

Greta Lee Robinson

For:

OPTIMIZING AN EXCLUSION

JOIN OPERATION USING A

BITMAP INDEX STRUCTURE

Attorney Docket No.: 10239

RESPONSE UNDER 37 C.F.R. §1.111 TO **NON-FINAL OFFICE ACTION MAILED APRIL 21, 2004**

MAIL STOP Amendment Honorable Commissioner for Patents P.O. Box 1450

Alexandria, VA 22313-1450

CERTIFICATE OF MAILING VIA EXPRESS MAIL

PURSUANT TO 37 C.F.R. § 1.10, I HEREBY CERTIFY THAT I HAVE INFORMATION AND A REASONABLE BASIS FOR BELIEF THAT THIS CORRESPONDENCE WILL BE DEPOSITED AS EXPRESS MAIL POST OFFICE TO ADDRESSEE WITH THE UNITED STATES POSTAL SERVICE ON THE DATE INDICATED BELOW, AND IS ADDRESSED

MAIL STOP AMENDMENT

HONORABLE COMMISSIONER FOR PATENTS

P.O. Box 1450

ALEXANDRIA, VA 22313-1450.

SUSAN D. RITCHEY

EXPRESS MAIL LABEL:

EV449865944US

DATE OF MAILING:

07/21/04

Dear Sir:

In response to the Non-Final Office Action mailed April 21, 2004, Applicant respectfully requests reconsideration of the rejections set forth in the Office Action.

The amendments are formatted and presented in accordance with the Revised Format for Amendments promulgated in 2003 by the U.S. Patent and Trademark Office.

> Atty: Docket No. 10239 Express Mail Label: EV449865944US

As the three-month shortened statutory period for reply is July 21, 2004, this Response is considered timely filed.

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims, if any, are reflected in the "Listing of the Claims" which begins on page 7 of this Response.

Remarks begin on page 16 of this Response.

Amendments to the Drawings begin on page 19 of this paper.

An Appendix including a replacement Abstract begins on page 20 of this Response.

Atty: Docket No. 10239 Express Mail Label: EV449865944US